



MINOS+ Status Report

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All Experimenters' Meeting
June 8, 2015



Near Detector

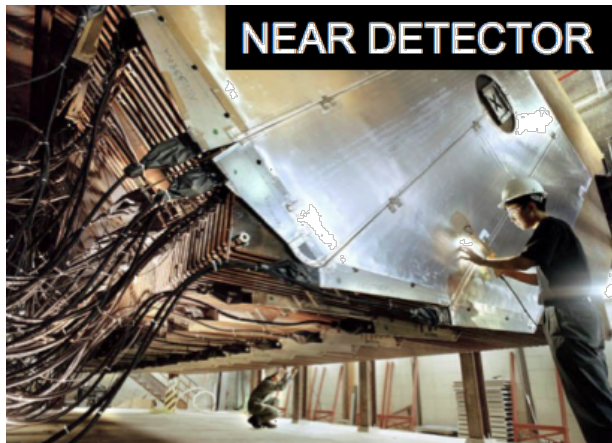
DAQ news

- No issues to report

Electronics/Detector news

Usual:

- One cold/hot channel
 - Replaced Minder boards a few times
 - Planning extensive investigation during the summer shutdown
 - Single bad channels are masked off and do not affect DQ
- Low Gain in Plane 28 (Calorimeter)
 - LED problem ? Bad fiber connection ?
 - Planned extensive investigation during summer shutdown





Far Detector

DAQ news



- No issues to report

Electronics/Detector news

- That *one* usual flat charge injection channel
 - Might be looked up during summer shutdown



MINOS+ Status

Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
3/23/2015 00:00:00	3/30/2015 00:00:00	99.6%	99.6%	99.4%	99.1%
3/30/2015 00:00:00	4/6/2015 00:00:00	96.2%	96.1%	99.9%	99.6%
4/6/2015 00:00:00	4/13/2015 00:00:00	94%	95%	99.9%	99.6%
4/13/2015 00:00:00	4/20/2015 00:00:00	90%	90%	98.7%	98.4%
4/20/2015 00:00:00	04/27/2015 00:00:00	84% (*)	96.7%	84% (*)	99.2%
4/27/2015 00:00:00	05/04/2015 00:00:00	99.8%	99.4%	98.2%	98.3%
5/8/2015 00:00:00	5/11/2015 00:00:00	99.6%	99.4%	99.8%	99.5%
5/11/2015 00:00:00	5/18/2015 00:00:00	99%	99.1%	97.3%	94.1%
5/18/2015 00:00:00	5/25/2015 00:00:00	98.8%	99.3%	98.8%	98.9%
5/25/2015 00:00:00`	06/01/2015	99.5%	99.5%	99.3%	97.7%
06/01/2015 00:00:00	06/08/2015 00:00:00	99.7%	99.7%	99.85%	99.85%

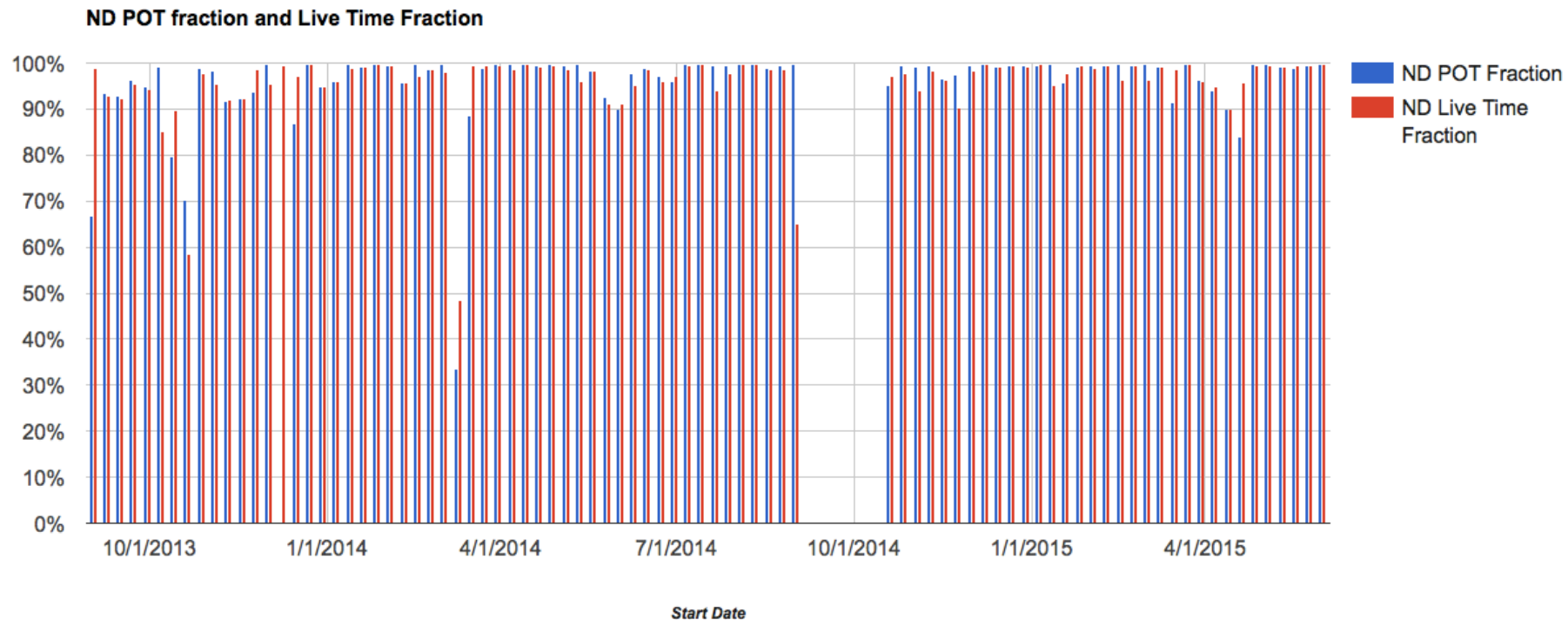
(*) IFBeamDB data (ACNet devices with timestamp off 1s) has been fixed for this period

We are going to remake our beam files this week

All raw data IS fine and has been archived

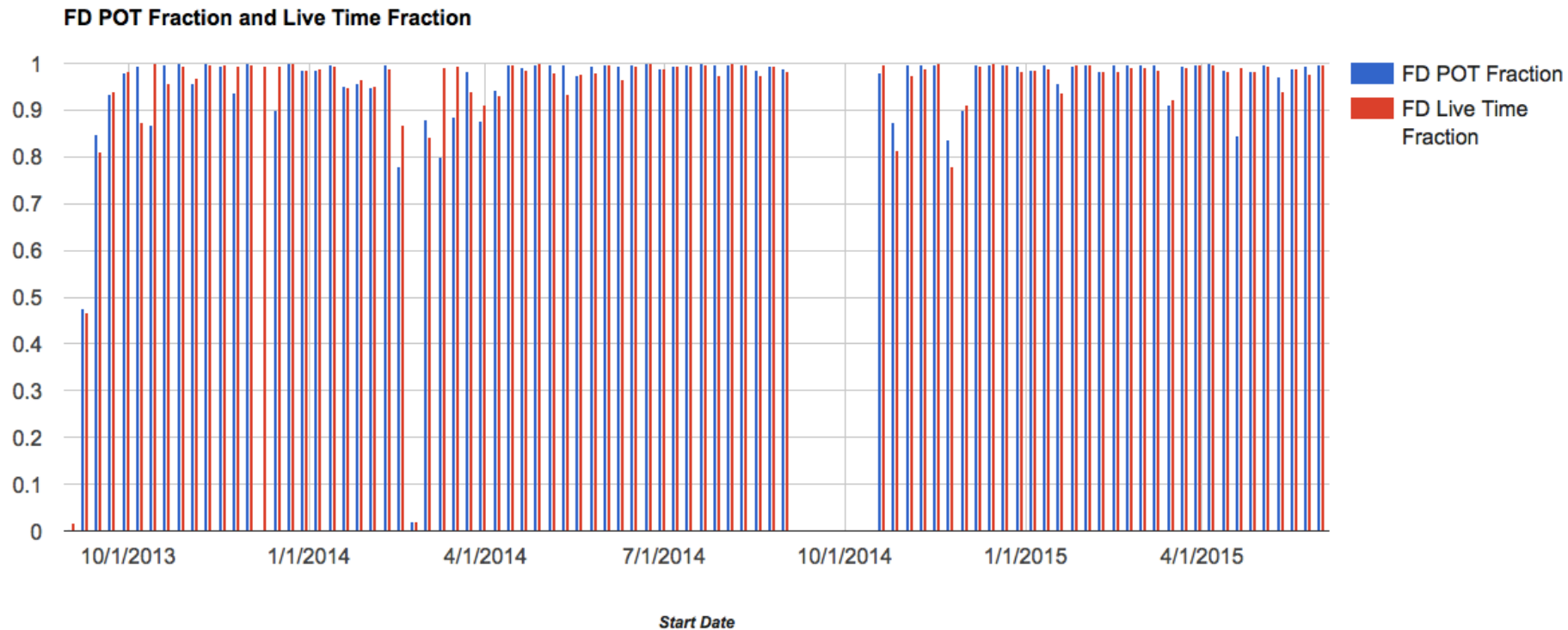


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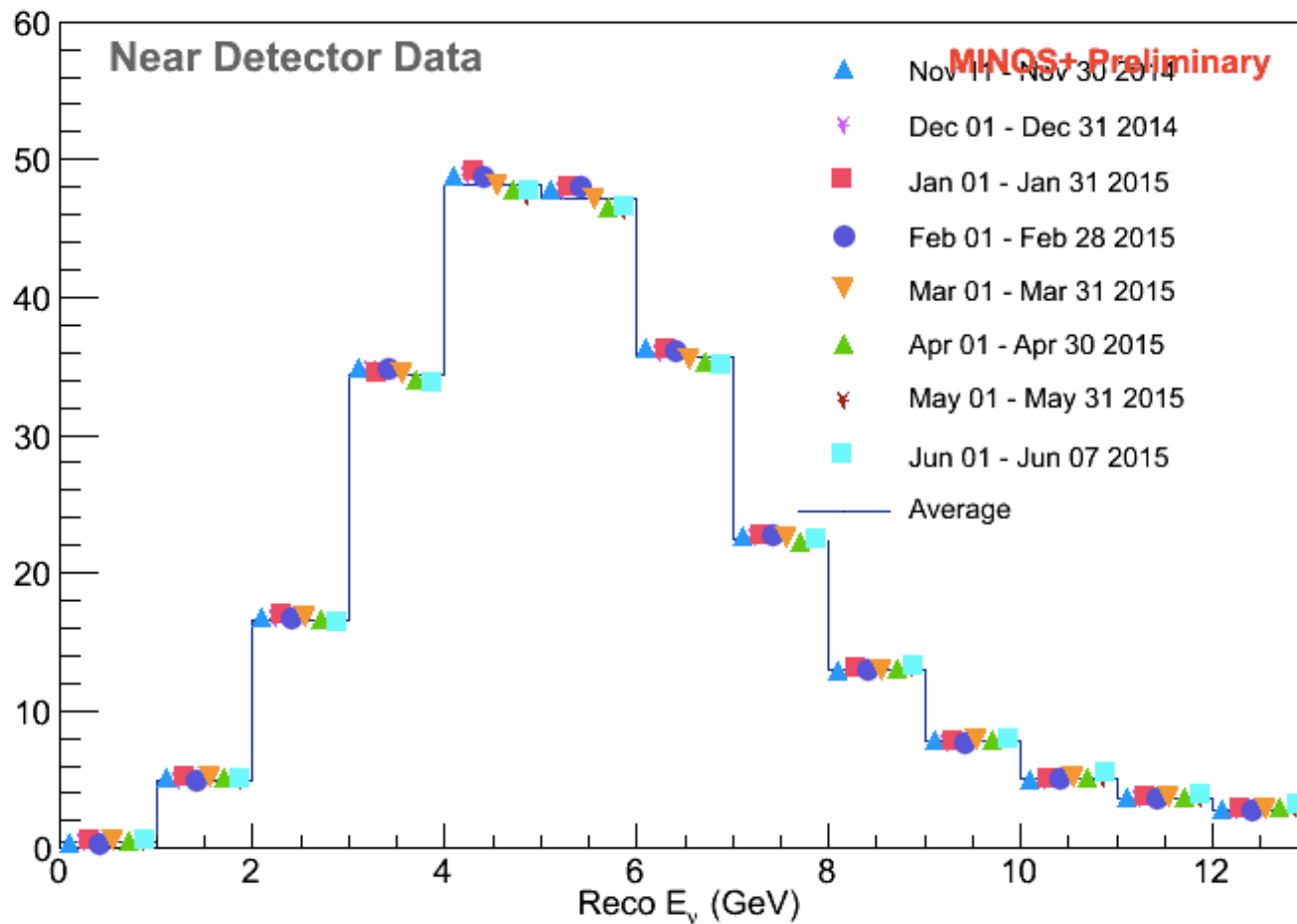


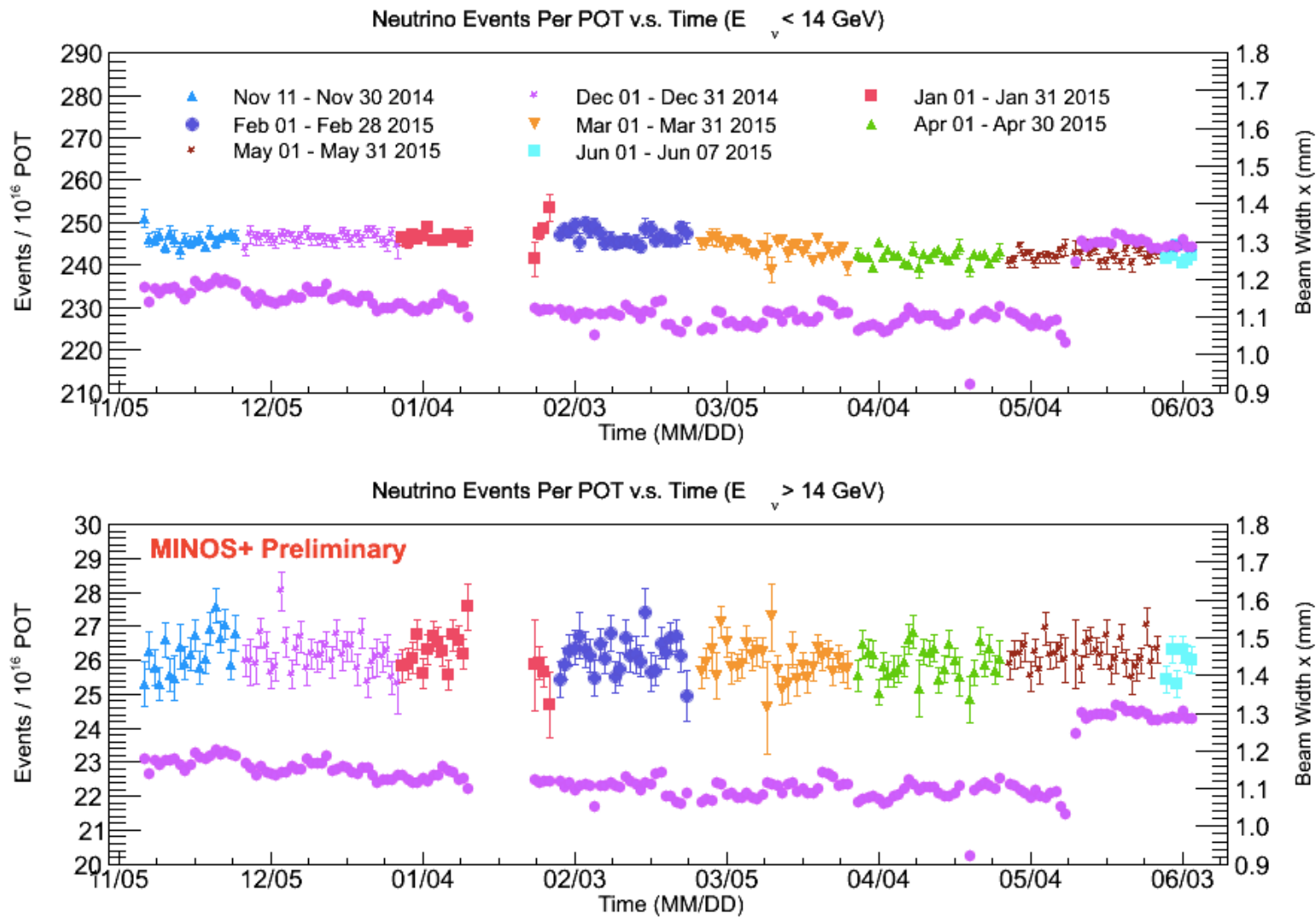
MINOS+ Status





Neutrino Energy Spectrum Stability (PQ and NQ)





Intensity Investigation by batches' update

- Lots of effort are being put in understanding the issue and many studies are ongoing
- Effect persists with the larger beam spot size
- We'll update as we studies progress

ND OSG IFBeamDB support

- The idea behind this service, is to try to streamline communications between AD, CS and ND Experiments in case of evident “beam issues”
- We are trying to implement it this week
- ND OSG members will be first responders in case of IFBeamDB issues (monitors not updating, A9 missing ...)
- Experiments should call a toll free number : **1-844-343-2326** that will in turn contact the OSG expert on-call
- The expert will have enough knowledge and tools to understand if it is an IFBeamDB issue or a data issues and respond such as
 - Fix the issue
 - Open ticket to be assigned to the IFBeamDB group
 - Call MCR, which in turn will page the Controls group
- We'll see how this goes and improve the procedure accordingly